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Declass Review by NGA.

FY-68

QUARTERLY REPORT

No. 4

31 May 1968

(1 March - 31 May 1968)

Prepared by:

[Redacted Signature Box]

25X1

Approved by:

[Redacted Signature Box]

5X1

Date: 14 June 1968

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GROUP 1

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31 May 68

PROGRAM OBJECTIVE

To investigate through studies, tests, and the fabrication and use of engineering breadboard equipment, new methods or devices which will further the state of the art in photographic techniques and practices as it pertains to improved extraction of collected intelligence information from photographic materials.

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31 May 68

SUMMARY

5X1 1. This Contract FY-68 Quarterly Report No. 4 is submitted in lieu of the May 1968 Monthly Report and covers progress for the months of March, April, and May 1968.

2. Detailed reports on approved, active PARs are found in Section II of this report.

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SECTION I

INTRODUCTION

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DISCUSSION

3. PAR Status. The table below lists all PARs in numerical order for ready reference, and the title (condensed in some cases) and status of each.

PAR	Title	Status
201	Travel and Liaison	Active
202/ 224	<input type="checkbox"/> Precision Enlarger/* 3X - 15X Enlarger	Completed/TWX 6351 dtd 21 Jan 66
203	Rapid Access Printer	Completed 4 Aug 65
204	Contact Chip Printer	Termination Rpt completed 27 Jan 65
205	Precision 4X Enlarger	Termination Rpt completed 27 Jan 65
206	Reversal Processing Study	Completed 21 May 65
207	Contact Printer Study	Completed 6 Apr 66
208	Non-Elec. Image Enhancement	Cancelled
209	Phosphor Viewer	Cancelled
210	Laminated Slides	Completed 4 Sep 64
211	Processing Effects Study	Completed 28 Oct 65
212	Color Acq. System Review	Completed 28 Oct 65
213	Color Reprod. Review	Completed 13 Aug 65
214	Roller Transport Processor (12-Inch)	Closed/TWX 7284 dtd 23 May 66
215	Roller Transport Processor (24-Inch)	Closed/TWX 7284 dtd 23 May 66
216	Laser Photographic Exposure	Completed 12 Feb 65
217	Optimization of Lasers	Completed 9 Nov 65
218	Autofocus Systems	Not to be submitted
219	Opt. vs Contact Pg. 1:1	Not to be submitted
220	Static Elec. Hold-Down	Disapproved

* Formerly called the Briefing Print Enlarger.

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PAR	Title	Status
221	Lens Bench Manual	Not to be submitted
222	Auto Stereo Regstrn System	Completed 3 Mar 65
223	Monochr. Lens System	Disapproved
225	Micro-D Training Program	Terminated
226	Edge Trace Meas., Micro-D	Completed
227	Color Viewer	Disapproved
228	Vectograph Study	Not to be submitted
229	Optical Design Film Viewer	Not to be submitted
230	10X Color Lens	Disapproved
231	10-20-40X Color Lamphouse	Disapproved
232	Automated Edge Trace Device	Disapproved
233	Zoom (6X to 60X) Projection Lens	Terminated/TWX 7878 dtd 26 Jul 66
234	MTF Exposure Device	Disapproved
235	Automation Program Study	Disapproved
236	Film Disposal Rewind Unit	Disapproved
237	Briefing Aids	Completed 25 Jul 65
238	Equipment Installation	Closed/TWX 7284 dtd 23 May 66
239	Administration	Closed
240	Not Assigned	-
241	Not Assigned	-
242A	Color Demonstration Material	Completed 29 Mar 66
243A	<input type="checkbox"/> Precision Enlarger*	Completed 22 Sep 67
244	Spare Parts for RT Processors	Completed 21 Nov 67
245	BPE High Magnification Lens Sets	Completed 26 Mar 68
246	RT-12 and RT-24 Operational Improvements	Completed 25 Feb 68

* Formerly called the Briefing Print Enlarger.

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<u>PAR</u>	<u>Title</u>	<u>Status</u>
247	Base Spare Parts Kit	Active
248	BPE High-Magnification Lens Set	Active
249	<input type="text"/> Precision Enlarger Prototype (BPE) Operational Improvements and Maintenance	Awaiting customer action
250	<input type="text"/> Precision Enlarger Mod II (Prototype)	Awaiting customer action

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SECTION II

PAR PROGRESS

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PAR 247

31 May 68

SUBJECT: Base Spare Parts Kit

TASK/PROBLEM

1. Provide one base spare parts kit for two Precision Enlargers, PAR 243A.

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DISCUSSION

2. All purchase parts have been received by the contractor except the four spare photomultiplier tubes for the two easel photometers. Delivery of these tubes is expected by 17 June 1968.

3. All make parts have been completed except the following:

a. Platen Assemblies for Lenses and Lamphouse. The glass parts for these assemblies were completed, and the metal parts are ready to proceed from fabrication to inspection. The assemblies will be cemented and are expected to be completed by 1 July 1968.

b. Color Filters. All filters except the red were completed and will be delivered by 7 June 1968. The red filter had to be remade and completion is expected by 1 August.

c. Refractive Index Fluid Injection Pumps. Although these pumps were completed previously, a design change to improve the piston was subsequently released for fabrication. The pumps are now being retrofitted, and are scheduled to be completed by 1 July 1968.

PLANNED ACTIVITY

4. Complete fabrication and delivery of parts for the Base Spare Parts Kit.

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PAR 248

31 May 68

SUBJECT: BPE High-Magnification Lens Set

TASK/PROBLEM

1. Provide one high-magnification lens set (PAR 245) to increase the magnification range of a Precision Enlarger (PAR 243A) at the customer's facility.

DISCUSSION

2. All purchase parts have been received by the contractor except the carrying handles for the focus barrel assemblies. These handles are scheduled to be received by 10 June 1968.

3. All make parts have been completed except one platen assembly that requires re-cementing. Completion of this item is scheduled for 15 June 1968.

4. The objective lens assemblies were completed, and final alignment and lens bench testing are in progress. The assemblies are due to be received from manufacturing by 21 June 1968.

PLANNED ACTIVITY

5. Complete fabrication and assembly operations.

6. Perform final photographic tests in preparation for delivery of the lenses and condenser assemblies.

SECTION III

FISCAL SUMMARY

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AL-28-802219-/

14 May 1968

Dear Boyd:

We are enclosing herewith five (5) copies of the following report (classified SECRET):

Contract ☐

Monthly Report - 1 April 1968
through 30 April 1968.

RRW:sjm

RRW.

R. R. W.

Copy #1: BN w/encs. (AL-28-700474-1 thru 5)
2: DW w/enc. (AL-28-700474-6)

I have retained copy #1

Boyd

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